

**03040201-120**  
**(Pee Dee River)**

**General Description**

Watershed 03040201-120 is located in Dillon, Marion, and Florence Counties and consists primarily of the **Pee Dee River** and its tributaries from Black Creek to Jeffries Creek. The watershed occupies 84,341 acres of the Upper and Lower Coastal Plain regions of South Carolina. The predominant soil types consist of an association of the Cantey-Chastain-Persanti series. The erodibility of the soil (K) averages 0.28; the slope of the terrain averages 2%, with a range of 0-6%. Land use/land cover in the watershed includes: 33.1% forested wetland (swamp), 29.6% forested land, 25.0% scrub/shrub land, 9.5% agricultural land, 2.4% water, and 0.4% urban land.

This segment of the Pee Dee River accepts drainage from its upper reaches together with Brownsville Swamp, Schoolhouse Branch (Alford Branch, Back Swamp), Mill Creek, Tobys Creek (Poccosin Swamp, Gum Swamp, Cud Swamp, Ellerbe Bay, Agnay Swamp), Muddy Gut (Buckley Creek), and Bachelor Creek. The Pee Dee River flows through the Great Pee Dee River Swamp throughout the watershed. There are a few recreational ponds (totaling 113.7 acres) and a total of 107.5 stream miles in this watershed, all classified FW.

**Water Quality**

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
PD-337	P	FW	PEE DEE RIVER AT US 301/76

**Pee Dee River (PD-337)** - Aquatic life uses are not supported due to occurrences of chromium in excess of the aquatic life acute standards, including very high concentrations of chromium measured in 1995 and 1998. In addition, there was a significant decreasing trend in dissolved oxygen and a high concentration of copper measured in 1998. A significant decreasing trend in five-day biochemical oxygen demand suggests improving conditions for this parameter. Recreational uses are fully supported and a significant decreasing trend in fecal coliform bacteria concentration suggests improving conditions for this parameter.

*A fish consumption advisory has been issued by the Department for mercury and includes the Pee Dee River within this watershed (see advisory p.115).*

## **NPDES Program**

### **Active NPDES Facilities**

#### **RECEIVING STREAM**

#### **FACILITY NAME**

#### **PERMITTED FLOW @ PIPE (MGD)**

#### **COMMENT**

#### **NPDES#**

#### **TYPE**

#### **LIMITATION**

PEE DEE RIVER  
CITY OF FLORENCE/PEE DEE RIVER PLANT  
PIPE #: 001 FLOW: 15.0  
PIPE #: 001 FLOW: 18.0 (PROPOSED)  
PIPE #: 001 FLOW: 20.0 (PROPOSED)  
WQL FOR DO,NH3N,BOD5

SC0045462  
MAJOR DOMESTIC  
WATER QUALITY  
WATER QUALITY  
WATER QUALITY

PEE DEE RIVER  
CITY OF MARION/S. MAIN ST. WWTP  
PIPE #: 001 FLOW: 5.0  
WQL FOR DO

SC0046230  
MAJOR DOMESTIC  
WATER QUALITY

PEE DEE RIVER  
E.I. DUPONT/FLORENCE PLANT  
PIPE #: 001 FLOW: 16.57  
WQL FOR DO

SC0002917  
MAJOR INDUSTRIAL  
WATER QUALITY

PEE DEE RIVER  
STONE CONTAINER CORP.  
PIPE #: 001 FLOW: 17.1  
WQL FOR DO

SC0000876  
MAJOR INDUSTRIAL  
WATER QUALITY

## **Nonpoint Source Management Program**

### **Land Disposal Activities**

#### **Landfill Facilities**

#### **LANDFILL NAME**

#### **FACILITY TYPE**

#### **PERMIT #**

#### **STATUS**

STONE CONTAINER CORP.  
INDUSTRIAL

213310-1601 (213310-1602, IWP-049,  
----- IWP-218, IWP-167, IWP-133)

### **Land Application Sites**

#### **LAND APPLICATION SYSTEM**

#### **FACILITY NAME**

#### **ND#**

#### **TYPE**

SPRAYFIELD  
INTERNATIONAL PAPER, INC./MARION

ND0002534  
INDUSTRIAL

SPRAYFIELD  
TOWN OF SELLERS

ND0065315  
DOMESTIC

### **Mining Activities**

#### **MINING COMPANY**

#### **MINE NAME**

#### **PERMIT #**

#### **MINERAL**

WILLIS CONSTRUCTION CO.  
WILLIS CONSTRUCTION MINE #2

0517-41  
SAND/CLAY

## Water Supply

### ***WATER USER (TYPE) STREAM***

### ***REGULATED CAPACITY (MGD) PUMPING CAPACITY (MGD)***

E.I. DUPONT (I)  
PEE DEE RIVER

28.8  
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STONE CONTAINER CORP. (I)  
PEE DEE RIVER

14.4  
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## Growth Potential

There is a low potential for growth in this watershed, which contains the Town of Sellers and the community of Pee Dee. U.S. Hwys. 76/301, a four-laned corridor to the Grand Strand, crosses the watershed at Pee Dee and runs from the City of Florence to the City of Marion and on to Myrtle Beach. U.S. Hwy. 301 is two-laned from Pee Dee north to Sellers, and is not scheduled for widening in the near future. The City of Marion has an interconnection with the City of Mullins, which may increase growth along the U.S. Hwy. 76 corridor between Marion and Mullins. There is rural water service available from the Marion County Rural Water Company to approximately 30% of the watershed. The only sewer service is limited to the Town of Sellers, which is not capable of extending service unless the system is improved.